

M 5.5, 79 km WNW of Vinchina, Argentina

Origin Time: 2024-01-03 08:04:01 UTC (Wed 05:04:01 local)
Location: 28.4553° S 68.9432° W Depth: 154.5 km

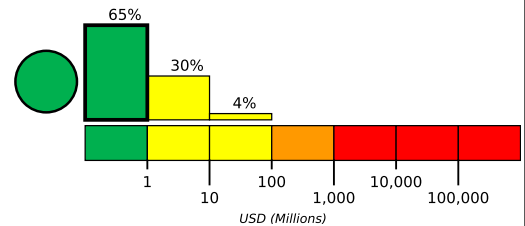
PAGER Version 3

Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

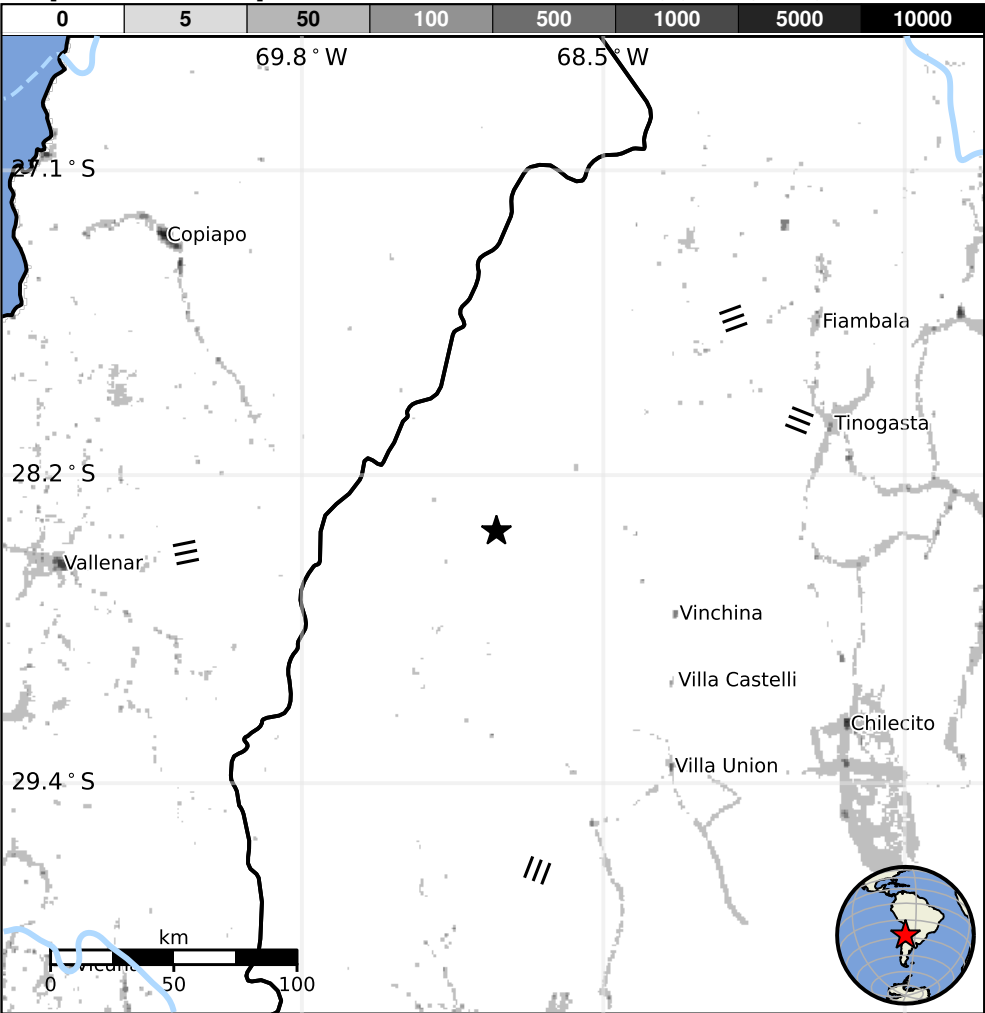


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	458k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-10-04	262	7.6	VII(30k)	5
2004-09-07	303	6.1	VIII(13k)	1
1977-11-23	312	7.4	IX(20k)	70

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

MMI	City	Population
III	Vinchina	3k
III	Villa Castelli	<1k
III	Villa Union	<1k
III	Tinogasta	15k
III	Famatina	<1k
III	Fiambala	8k
III	Chilecito	42k
III	Vallenar	45k
III	Copiapó	129k
III	Londres	3k
III	Vicuna	13k